

Set	Items	Description
S1	77415	(METAL OR ALUMINUM OR CHROMIUM OR COBALT OR COPPER OR CUPRIC OR SILICON ZINC OR NICKEL OR TIN OR MAGNESIUM OR SILVER OR IRON OR SODIUM OR POTASSIUM OR MANGANESE OR TITANIUM OR CERIUM OR MOLYBDENUM) (4N) (SALT OR SALTS)
S2	41384	(AL OR CR OR CO OR CU OR SI OR SILICON OR ZINC OR ZN OR NI OR SN OR MG OR AG OR FE OR NA OR K OR MN OR TI OR CE OR MO) (-4N) (SALT OR SALTS)
S3	103027	S1 OR S2
S4	43945	PEROXIDE?
S5	6283	H (2W) O
S6	3117	S3 AND (S4 OR S5)
S7	347865	COLOR? OR COLOUR? OR DYE? OR DECOLOR? OR DECOLOUR? OR BLEACH?
S8	616	S6 AND S7
S9	4453834	TWO OR "2" OR SEQUENTIAL? OR FIRST?
S10	661421	PRETREAT? OR POSTTREAT? OR ((PRE OR POST) (W) TREAT?) OR AFTER?
S11	415	S8 AND (S9 OR S10)
S12	811401	WOOD? OR LEATHER? OR HAIR? OR KERATIN? OR WOOL? OR COTTON? OR PAPER? OR CELLULOS? OR PLASTIC? OR FABRIC OR FABRICS
S13	163	S11 AND S12

13/4/163
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AA- 70-83342R/197045|
TI- **Bleaching hair or wool after salt pre-**
 treat- - ment|
PA- GILLETTE CO (GILL)|
NC- 005|
NP- 006|
PN- DE 2021099 A 197045 B
PN- FR 2040414 A 197114
PN- US 3632295 A 197206
PN- GB 1277541 A 197224
PN- CA 902862 A 197227
PN- DE 2021099 B 197345|
AN- <PR> US 69820307 A 19690429|
AB- <BASIC> DE 2021099 A

Damage to **keratine** fibres is minimised by impregnating
hair or wool, before **bleaching** at pH 8-11 with aqs.
peroxide, with an aqs. solution containing 0.05-0.15 moles
dissolved **Fe(II)-salt** and a dissolved chelating agent, the
conc. of which is 0.2-5 times the molar conc. of the salt, and
which has a chelate-forming constant KMA with Fe (II)-ions the log of
which is 2-8. Total ionic conc. of solution is 0.5-2.5, and
impregnation temp. ranges between room temp. and solution b.pt. Pref.
Fe(II) salt solution contains 0.005-0.05 moles reducing
agent, pH is 3.5-6 and pref. chelating agents are ascorbic or citric
acids, ethylene diamine or serine.|

DE- <TITLE TERMS> **BLEACH; HAIR; WOOL; AFTER; SALT;**
 PRE; TREAT|
DC- D21; F06|
IC- <ADDITIONAL> D06L-000/00|
MC- <CPI> D08-B06; F03-B|

13/4/24
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AA- 94-256353/199432|
XR- <XRAM> C94-117169|
XR- <XRPX> N94-202005|
TI- Agent comprising oxidn. **dye** precursors, developer(s), and coupler(s) for simultaneous **dyeing** and brightening of human **hair** - contains additional mixt. comprising one or more ammonium salts and one or more inorganic **metal salts** and/or hydroquinone|
PA- GOLDWELL AG (GOLD-N); GOLDWELL GMBH (GOLD-N); KAO CORP (KAOS)|
AU- <INVENTORS> LORENZ H; MISU D|
NC- 013|
NP- 006|
PN- DE 4331136 C1 19940825 DE 4331136 A 19930914 A61K-007/13 199432 B
PN- EP 642783 A1 19950315 EP 94113272 A 19940825 A61K-007/13 199515
PN- JP 7149618 A 19950613 JP 94218561 A 19940913 A61K-007/13 199532
PN- EP 642783 B1 19960306 EP 94113272 A 19940825 A61K-007/13 199614
PN- DE 59400147 G 19960411 DE 500147 A 19940825 A61K-007/13 199620
AN- <AN> EP 94113272 A 19940825
PN- US 5525123 A 19960611 US 94303225 A 19940908 A61K-007/13 199629|
AN- <LOCAL> DE 4331136 A 19930914; EP 94113272 A 19940825; JP 94218561 A 19940913; EP 94113272 A 19940825; DE 500147 A 19940825; EP 94113272 A 19940825; US 94303225 A 19940908|
AN- <PR> DE 4331136 A 19930914|
CT- 1.Jnl.Ref; DE 2028818; DE 2222001; EP 148466; EP 26473; EP 545257; JP 47026691; US 5182110; WO 8801161; WO 8801162|
FD- EP 642783 A1
<DS> (Regional): AT BE CH DE DK ES FR GB IT LI NL
FD- EP 642783 B1
<DS> (Regional): AT BE CH DE DK ES FR GB IT LI NL
FD- DE 59400147 G Based on EP 642783|
LA- DE 4331136(4); EP 642783(G); JP 7149618(5); EP 642783(G<PG> 6); US 5525123(4)|
DS- <REGIONAL> AT; BE; CH; DE; DK; ES; FR; GB; IT; LI; NL|
AB- <BASIC> DE 4331136 C

Oxidn. **dye** precursor prods. based agent contg. at least one developing substance and at least one coupling substance contains an additional mixt. comprising (a) ca. 0.001-2.5 wt. % (w.r.t. total compsn. minus oxidn agent) at least one cpd. chosen from copper chloride, copper sulphate, KI, NaI, CaCl₂, Ca(NO₃)₂, magnesium acetate, LiCl, potassium dichromate, Ba(NO₃)₃, cobalt chloride, cerium sulphate, cerium chloride, vanadium sulphate, MnO₂, or hydroquinone; and (b) ca. 0.5-10 w.r.t. total compsn. minus oxidn. agent at least one ammonium cpd. chosen from ammonium chloride, ammonium sulphate, ammonium (bi)carbonate or ammonium carbamate. The agent has pH of 8-11 following mixing with **peroxide**.

The agent pref. contains ca. 0.01-1 (a) and 1-5 (b) and has a pH of 9-10 following mixing with **peroxide**.

ADVANTAGE - Simultaneous **dyeing** and brightening with increased shine of **hair** is obtd.

In an example, 40 g of a mixt. comprising 12.0 wt. % cetyl stearyl alcohol, 2.30 coconut monoethanolamide, 2.30 stearic acid monoethanolamide, 0.60 propylene glycol monostearate, 5.00 oleyl alcohol ethoxylate (5 mols. EO) 2.50 oleic acid, 1.00 propane-1, 2-diol, 0.50 sodium lauryl sulphate, 0.50 EDTA, 0.50 Na₂SO₃, 0.30

ascorbic acid, 1.00 protein hydrolysate, 0.40 perfume, 8.00 ammonia (25%), 100 H₂O, 0.75 2,5-diaminotoluene sulphate, 0.08 resorcinol, 0.05-4-chlororesorcinol, 0.05-3-aminophenol, 0.02 5-amino-2-methylphenol, 0.10 CaCl₂, 0.50 ammonium chloride, were mixed with 40 ml aq. H₂O₂ soln. (6%) and applied to **hair** strands for 15 minutes at 30 deg.C and then **hair** was shampooed and dried to give intense dark blood **coloured hair**. When the process was repeated for similar mixt. contg. no ammonium chloride less shine was obtd. whilst for similar mixt. contg. no CaCl₂ insufficient **dyeing** was obtd. **after** 15 minutes.

Dwg.0/0|

AB- <EP> EP 642783 B

Composition for simultaneous **dyeing** and brightening of human **hair**, comprising at least one developing and at least one coupling agent, characterised in that it additionally contains a mixture of (a) about 0.001 to about 2.5% by wt., calculated to the total composition (excluding oxidizing agent), of at least one of the compounds copper chloride, copper sulfate, potassium iodide, sodium iodide, calcium chloride, calcium nitrate, lithium chloride, magnesium acetate, potassium bichromate, barium nitrate, cobalt chloride, cerium sulfate, cerium chloride, vanadium sulfate, manganese dioxide, and/or hydroquinone, and (b) about 0.5 to about 10% by wt., calculated to the **dyeing** composition (excluding oxidizing agent), of at least one ammonium compound selected from the group ammonium chloride, ammonium sulfate, ammonium carbonate, ammonium bicarbonate, and (or) ammonium carbamate, and (c) having a pH-value between 8.0 and 11 **after** admixture with **peroxide**.

(Dwg.0/0|

AB- <US> US 5525123 A

Composition for simultaneous **dyeing** and brightening of human **hair**, comprises at least one developing agent at least one coupling agent, and a mixture of

(a) about 0.001 to about 2.5% by wt., calculated to the total composition excluding oxidizing agent, of at least one of the compounds selected from copper chloride, copper sulphate, potassium iodide, sodium iodide, calcium chloride, calcium nitrate, lithium chloride, magnesium acetate, potassium bichromate, barium nitrate, cobalt chloride, cerium sulphate, cerium chloride, vanadium sulphate, manganese dioxide, and/or hydroquinone, and

(b) about 1 to about 10% by wt., calculated to the total composition excluding oxidizing agent, of at least one ammonium compound selected from ammonium chloride, ammonium sulphate, ammonium carbonate, ammonium bicarbonate, and ammonium carbamate, and

(c) having a pH-value between 8.0 and 11 **after** admixture with **peroxide**.

Dwg.0/0|

DE- <TITLE TERMS> AGENT; COMPRISE; OXIDATION; **DYE**; PRECURSOR; DEVELOP
; COUPLE; SIMULTANEOUS; **DYE**; BRIGHTEN; HUMAN; **HAIR**; CONTAIN
; ADD; MIXTURE; COMPRISE; ONE; MORE; AMMONIUM; SALT; ONE; MORE;
INORGANIC; METAL; SALT; HYDROQUINONE|

DC- D21; E24; P24|

IC- <MAIN> A61K-007/13|

IC- <ADDITIONAL> A45D-007/04; A61K-007/135; C09B-067/00; D06P-003/08|

MC- <CPI> D08-B06; E05-B01; E10-E02D5; E32-A04; E33-B; E33-G; E34-D02;
E34-D03; E34-E; E35|

FS- CPI; EngPI||

13/4/113
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AA- 85-052260/198509|
XR- <XRAM> C85-022738|
XR- <XRPX> N85-038906|
TI- Mfr. of **coloured wood** plates (e.g. veneer) - includes
pretreatment with sulphurous acid and/or its alkali **metal**
salt prior to **colouration**|
PA- MATSUSHITA ELECTRIC WORKS LTD (MATW)|
NC- 001|
NP- 001|
PN- JP 60008008 A 19850116 JP 83116408 A 19830627 198509 B
|
AN- <LOCAL> JP 83116408 A 19830627|
AN- <PR> JP 83116408 A 19830627|
LA- JP 60008008(3)|
AB- <BASIC> JP 60008008 A
Mfr. of plates (e.g. veneer) where a **wood** plate is
bleached with hydrogen **peroxide** and then **coloured** is
described. The **wood** plate is **pre-treated**, prior to
colouration, with a **pre-treating** agent contg.
sulphurous acid and/or its alkali **metal salt** so as to
reduce the hydrogen **peroxide** concn. in **wood** plate. Pref.
alkali sulphate is sodium hydrogen sulphite.
USE/ADVANTAGE - Due to **pre-treatment**, uneven
colouration of discolouration of the **coloured wood**
plate is prevented.
0/3|
DE- <TITLE TERMS> MANUFACTURE; **COLOUR**; **WOOD**; PLATE; VENEER;
PRETREATMENT; SULPHUROUS; ACID; ALKALI; METAL; SALT; PRIOR;
COLOUR|
DC- F09; P63|
IC- <ADDITIONAL> B27K-005/02|
MC- <CPI> F05-B|
FS- CPI; EngPI||

13/4/153
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AA- 76-78906X/197642|
TI- Glove **leather** prodn., of improved quality with reduced mfg time -
involves **first** tanning plus alkaline **peroxide** treatment
then aluminium salt greasing and second tanning|
PA- EST LIGHT IND MIN (ELIG-R)|
NC- 001|
NP- 001|
PN- SU 499297 A 19760419 197642 B
|
AN- <PR> SU 2001356 A 19740301|
AB- <BASIC> SU 499297 A
Glove **leather** prodn. giving improved quality with reduced
mfg. time, involves a **first** tanning (using chromed skins) carried
out in the presence of H2O2-NaOH soln. to neutralise, then a second
tanning with **Al salts after** greasing with **Al**
salts and **dyeing**. The process is faster than a previous
method of tanning chromed skins, pickling, tanning again, neutralising
and **dyeing**-greasing.|
DE- <TITLE TERMS> GLOVE; **LEATHER**; PRODUCE; IMPROVE; QUALITY; REDUCE;
MANUFACTURE; TIME; **FIRST**; TAN; PLUS; ALKALINE; **PEROXIDE**;
TREAT; ALUMINIUM; SALT; GREASE; SECOND; TAN|
DC- D18|
IC- <ADDITIONAL> C14C-003/00|
MC- <CPI> D07-B|